

# [UNDER-BALL METALLIC LAYER]

## Abstract of Disclosure

An under-ball metallic layer on a contact pad with the junction between the under-ball metallic layer and the contact pad made from copper material. The under-ball metallic layer comprises an adhesion layer, a barrier layer and a wettable layer. The adhesion layer is formed over the contact pad and made from a material such as titanium-tungsten alloy or chromium. The barrier layer is formed over the adhesion layer and made from a material such as nickel-vanadium alloy. The wettable layer is formed over the barrier layer and made from a material such as copper, palladium or gold.

## Figures

Figure 1: A vertical column of small, illegible text or symbols, possibly a list of items or a table of contents.